

CLAIMS

39. (Currently amended) A computer based library and information delivery system for generating and maintaining a plurality of digital information files for delivery over a public network, said library and information delivery system comprising:

an authoring system including programming logic for receiving raw digitized data, logic for transforming said raw digitized data into said plurality of digital information files, and logic for generating information indicative of various characteristics of content of said digital information files; and

a library server coupled to said authoring system including logic for maintaining said plurality of digital information files, logic for maintaining a correspondence between said plurality of digital information files and information indicative of a player ID, and logic for encrypting said plurality of digital information files using information indicative of a player ID, said digital information files including said information indicative of various characteristics of content of said digital information files and authorized for access by a user ~~having~~ on a mobile device based on a corresponding player ID.

40. (Previously presented) The computer based library and information delivery system as claimed in Claim 39 wherein said

plurality of digital information files includes audio files, spoken audio files, visual image files, text files, video files, multimedia files, programming code files, configuration information files, or any combination thereof.

41. (Previously presented) The computer based library and information delivery system as claimed in Claim 39 wherein logic for transforming said raw digitized data into said plurality of digital information files further include logic for compressing, scrambling, and segmenting said digital information files.

42. (Previously presented) The computer based library and information delivery system as claimed in Claim 41 wherein said logic for scrambling said digital information files further includes logic for generating a descrambling map for descrambling said scrambled digital information files.

43. (Previously presented) The computer based library and information delivery system as claimed in Claim 39 wherein said logic for maintaining said plurality of digital information files further includes logic for incorporating said information indicative of various characteristics of content of said digital information files and portions of content of said digital information files into said digital information files.

44. (Previously presented) The computer based library and information delivery system as claimed in Claim 39 wherein said logic for maintaining said plurality of digital information files further includes logic for receiving requests for access to said digital information files and portions of content of said digital information files and logic for authorizing access to and managing delivery of said digital information files and

portions of content of said digital information files in response to said requests for access.

45. (Previously presented) The computer based library and information delivery system as claimed in Claim 39 wherein logic for maintaining said plurality of digital information files further includes logic for collecting and storing usage statistics based on access history of said digital information files.

46. (Previously presented) The computer based library and information delivery system as claimed in Claim 39 further including an authorization server coupled to said library server for authorizing access to said plurality of digital information files.

47. (Previously presented) The computer based library and information delivery system as claimed in Claim 39 wherein said library server is a software process running on several computer systems.

48. (Previously presented) The computer based library and information delivery system as claimed in Claim 39 wherein said library server and said authoring system run on different computer systems.

49. (Previously presented) The computer based library and information delivery system as claimed in Claim 46 wherein said library server and said authorization server run on different computer systems.

50. (Previously presented) The computer based library and information delivery system as claimed in Claim 39 wherein said

digital information files are targeted using a player group ID.

51. (Previously presented) The computer based library and information delivery system as claimed in Claim 39 further including authentication logic for authenticating access to said library server, said authentication logic including logic for performing a point-to-point authentication protocol.

52. (Previously presented) The computer based library and information delivery system as claimed in Claim 39 further including said authentication logic for authenticating access to said library server, said authentication logic including logic for performing a digital signature authentication protocol.

53. (Currently amended) A computer based library and information delivery system for maintaining a plurality of digital information files for delivery over a public network, said library and information delivery system comprising:

a library server coupled to a network, said library server including logic for maintaining a plurality of digital information files, logic for maintaining a correspondence between said plurality of digital information files and information indicative of a player ID, said plurality of digital information files being encrypted using the information indicative of a player ID, and logic for maintaining information indicative of various characteristics of content of said digital information files, said digital information files being authorized for access by a user ~~having~~ on a mobile device based on a corresponding player ID.

54. (Currently amended) A computer based library and

information delivery system for maintaining a plurality of digital information files for delivery over a public network, said library and information delivery system comprising:

a library server coupled to a network, said library server including logic for maintaining a plurality of digital information files, logic for encrypting said plurality of digital information files using information indicative of a player ID, and logic for maintaining information indicative of various characteristics of content of said digital information files; said digital information files being authorized for access by a user on a mobile device based on a corresponding player ID; and

a CDROM generating device for generating a CDROM having at least one of the plurality of digital information files and at least a portion of said information indicative of various characteristics of content of said digital information files.

55. (Previously presented) The computer based library and information delivery system as claimed in Claim 39 wherein said digital information files includes files with primarily textual content.

56. (Currently amended) A computer based library and information delivery system for enabling a user to access and obtain selected digital information files from an external source, said library and information delivery system comprising:

computer system including programming logic for browsing various characteristics of content of said digital information files, logic for selecting one or more of said

digital information files, logic for authorizing access to said selected one or more digital information files, logic for causing the generation of targeted digital information files corresponding to said selected one or more digital information files, said targeted digital information files being targeted using a player ID, and logic for requesting download of said targeted digital information files to said computer system from said external source, and

a mobile device removably connectable to said computer system, said computer system further including logic for downloading a portion or all of said targeted digital information files to said mobile device ~~only~~ if said mobile device corresponds to said player ID, said portion depending on storage space available in said mobile device.

57. (Previously presented) The computer based library and information delivery system as claimed in claim 56 wherein said digital information files includes files with primarily textual content.

58. (Previously presented) The computer based library and information delivery system as claimed in claim 56 wherein said mobile device further includes a player with a text display device for visually rendering content of said digital information files downloaded to said mobile device.

59. (Currently amended) A computer based library and information delivery system for generating and maintaining a plurality of digital information files, said library and information delivery system comprising:

an authoring system including programming logic for

receiving raw digitized data, logic for transforming said raw digitized data into said plurality of digital information files, and logic for generating information indicative of various characteristics of content of said digital information files; and

a library server coupled to said authoring system including logic for maintaining said plurality of digital information files, and logic for generating targeted digital information files corresponding to said plurality of digital information files and based on a player ID, said digital information files including said information indicative of various characteristics of content of said digital information files and targeted to a mobile device using a targeted header containing information indicative of said player ID upon selection by an authorized user.

60. (Previously presented) The computer based library and information delivery system as claimed in claim 59 wherein said plurality of digital information files includes audio files, spoken audio files, visual image files, text files, video files, multimedia files, programming code files, configuration information files, or any combination thereof.

61. (Previously presented) The computer based library and information delivery system as claimed in claim 59 wherein logic for transforming said raw digitized data into said plurality of digital information files further includes logic for compressing, scrambling, and segmenting said digital information files.

62. (Previously presented) The computer based library and

information delivery system as claimed in claim 61 wherein said logic for scrambling said digital information files further includes logic for generating a descrambling map for descrambling said scrambled digital information files.

63. (Previously presented) The computer based library and information delivery system as claimed in claim 59 wherein said logic for maintaining said plurality of digital information files further includes logic for receiving requests for access to said digital information files and portions of content of said digital information files and logic for authorizing access to and managing delivery of said digital information files and portions of content of said digital information files in response to said requests for access.

64. (Previously presented) The computer based library and information delivery system as claimed in claim 59 wherein logic for maintaining said plurality of digital information files further includes logic for collecting and storing usage statistics based on access history of said digital information files.

65. (Previously presented) The computer based library and information delivery system as claimed in claim 59 further including an authorization server coupled to said library server for authorizing access to said plurality of digital information files.

66. (Previously presented) The computer based library and information delivery system as claimed in claim 59 wherein said library server is a software process running on several computer systems.

67. (Previously presented) The computer based library and information delivery system as claimed in claim 59 wherein said library server and said authoring system run on different computer systems.

68. (Previously presented) The computer based library and information delivery system as claimed in claim 65 wherein said library server and said authorization server run on different computer systems.

69. (Previously presented) The computer based library and information delivery system as claimed in claim 59 wherein said targeted digital information files are targeted using a player group ID.

70. (Previously presented) The computer based library and information delivery system as claimed in claim 59 further including authentication logic for authenticating access to said library server, said authentication logic including logic for performing a point-to-point authentication protocol.

71. (Previously presented) The computer based library and information delivery system as claimed in claim 59 further including authentication logic for authenticating access to said library server, said authentication logic including logic for performing a digital signature authentication protocol.

72. (Currently amended) A computer based library and information delivery system for generating and maintaining a plurality of digital, information files for delivery over a public network, said library and information delivery system comprising:

an authoring system including programming logic for receiving raw digitized data and logic for transforming said raw digitized data into a plurality of digital information files; and

a library server coupled to said authoring system, the library server including logic for maintaining said plurality of digital information files, the library server further including targeting logic for targeting said plurality of digital information files to a particular mobile device player using a targeted header containing information indicative of a player ID for the particular player.

73. (Previously presented) The computer based library and information delivery system as claimed in Claim 72 wherein the authoring system further including compression logic for compressing the plurality of digital information files.

74. (Previously presented) The computer based library and information delivery system as claimed in Claim 72 wherein the authoring system further including scrambling logic for scrambling the plurality of digital information files.

75. (Previously presented) The computer based library and information delivery system as claimed in Claim 72 wherein the authoring system further including compression logic for compressing the plurality of digital information files, the authoring system further including scrambling logic for scrambling the plurality of digital information files.

76. (Previously presented) The computer based library and information delivery system as claimed in Claim 74 wherein the

scrambling logic further including logic for scrambling the plurality of digital information files using information indicative of an object identifier.

77. (Previously presented) The computer based library and information delivery system as claimed in Claim 76 wherein the object identifier is a player ID.

78. (Previously presented) The computer based library and information delivery system as claimed in Claim 76 wherein the object identifier is a group ID.

79. (Previously presented) The computer based library and information delivery system as claimed in Claim 76 wherein the object identifier is a removable media ID.

80. (Previously presented) The computer based library and information delivery system as claimed in Claim 74 wherein the scrambling logic further includes logic for creating a scrambling map.

81. (Previously presented) The computer based library and information delivery system as claimed in Claim 72 wherein the targeting logic further including logic for generating the targeted header using the information indicative of the player ID.

82. (Previously presented) The computer based library and information delivery system as claimed in Claim 72 wherein the targeting logic further including logic for generating the targeted header using a descrambling map encrypted using information indicative of a secret player ID corresponding to the particular player.

83. (Previously presented) The computer based library and information delivery system as claimed in Claim 72 wherein the targeting logic further including logic for retrieving the targeted header from an external source, the targeted header having been created externally using the information indicative of the player ID.

84. (Previously presented) The computer based library and information delivery system as claimed in Claim 72 wherein the targeting logic further including logic for retrieving the targeted header from an external source, the targeted header having been created externally using a descrambling map encrypted using information indicative of a secret player ID corresponding to the particular player.

85. (Previously presented) The computer based library and information delivery system as claimed in claim 72 wherein said library server and said authoring system run on different computer systems.

86. (Currently amended) A computer based library and information delivery system comprising:

a computer system connectable to a public network, the computer system comprising:

targeting logic for targeting programming content to a particular mobile device; and

download logic for downloading the programming content to the particular mobile device; and

a mobile device removably connectable to the computer system, the mobile device including:

an interface to the computer system for receiving the programming content; and a player for rendering the programming content to a user.

87. (Previously presented) The computer based library and information delivery system as claimed in Claim 86 wherein the computer system further including authoring logic for authoring programming content, the authoring logic further including compression logic for compressing the programming content.

88. (Previously presented) The computer based library and information delivery system as claimed in Claim 86 wherein the computer system further including authoring logic for authoring programming content, the authoring logic further including scrambling logic for scrambling the programming content.

89. (Previously presented) The computer based library and information delivery system as claimed in Claim 86 wherein the computer system further including authoring logic for authoring programming content, the authoring logic further including compression logic for compressing the programming content, the authoring logic further including scrambling logic for scrambling the programming content.

90. (Previously presented) The computer based library and information delivery system as claimed in Claim 88 wherein the scrambling logic further including logic for scrambling the programming, content using information indicative of an object identifier.

91. (Previously presented) The computer based library and information delivery system as claimed in Claim 90 wherein the object identifier is a player ID.

92. (Previously presented) The computer based library and information delivery system as claimed in Claim 90 wherein the object identifier is a group ID.

93. (Previously presented) The computer based library and information delivery system as claimed in Claim 90 wherein the object identifier is a removable media ID.

94. (Previously presented) The computer based library and information delivery system as claimed in Claim 86 wherein the targeting logic further including logic for generating a targeted header using information indicative of a player ID corresponding to the particular mobile device.

95. (Previously presented) The computer based library and information delivery system as claimed in Claim 86 wherein the targeting logic further including logic for generating a targeted header using a descrambling map encrypted using information indicative of a secret player ID corresponding to the particular mobile device.

96. (Previously presented) The computer based library and information delivery system as claimed in Claim 86 wherein the targeting logic further including logic for retrieving a targeted header from an external source, the targeted header having been created externally using information indicative of a player ID corresponding to the particular mobile device.

97. (Previously presented) The computer based library and information delivery system as claimed in Claim 86 wherein the targeting logic further including logic for retrieving a targeted header from an external source, the targeted header having been created externally using a descrambling map

encrypted using information indicative of a secret player ID corresponding to the particular mobile device.

98. (Previously presented) The computer based library and information delivery system as claimed in Claim 86 wherein the download logic further including logic for downloading the programming content to a mobile device only if the mobile device corresponds to the particular mobile device for which the programming content was targeted.

99. (Currently amended) The computer based library and information delivery system as claimed in Claim 86 wherein the player renders the programming content on a mobile device ~~only~~ if the mobile device corresponds to the particular mobile device for which the programming content was targeted.

100. (Previously presented) The computer based library and information delivery system as claimed in Claim 86 wherein the mobile device being connectable with the computer system via a wired connection.

101. (Previously presented) The computer based library and information delivery system as claimed in Claim 86 wherein the mobile device being connectable with the computer system via a wireless connection.

102. (Previously presented) The computer based library and information delivery system as claimed in Claim 101 wherein the wireless connection is an IR connection.

103. (Previously presented) The computer based library and information delivery system as claimed in Claim 101 wherein the wireless connection is a wireless LAN connection.

104. (Previously presented) The computer based library and information delivery system as claimed in Claim 101 wherein the wireless connection is a wireless connection via a public network.

105. (Previously presented) The computer based library and information delivery system as claimed in Claim 101 wherein the wireless connection is a wireless connection via a telephone network.

106. (Previously presented) The computer based library and information delivery system as claimed in Claim 86 wherein the mobile device further includes an interface for removable storage media.

107. (Previously presented) The computer based library and information delivery system as claimed in Claim 86 wherein the computer system further including a local library for local storage of programming content.

108. (Previously presented) The computer based library and information delivery system as claimed in Claim 87 wherein the computer system further including a local library for local storage of programming content.

109. (Previously presented) The computer based library and information delivery system as claimed in Claim 107 wherein the computer system further including logic for storing pre-authored programming content in the local library, the programming content having been authored by an external agent.

110. (Currently amended) A computer based library and information delivery system comprising:

a computer system connectable to a public network, the computer system comprising:

an authoring system including programming logic for receiving raw digitized data and logic for transforming said raw digitized data into a plurality of digital information files;

a library server coupled to said authoring system, the library server including logic for maintaining said plurality of digital information files, the library server further including targeting logic for targeting access to said plurality of digital information files to a particular mobile device; and

download logic coupled to the library server for downloading the plurality of digital information files to the particular mobile device; and

a mobile device wirelessly connectable to the computer system via a network, the mobile device including:

an interface to the computer system for receiving a download of one or more of the plurality of digital information files; and

a player for rendering one or more of the plurality of digital information files to a user.

111. (Previously presented) The computer based library and information delivery system as claimed in Claim 110 wherein the targeting logic further including logic for retrieving a targeted header from an external source, the targeted header having been created externally using information corresponding

to the particular mobile device.

112. (Previously presented) The computer based library and information delivery system as claimed in Claim 110 wherein the authoring system further including compression logic for compressing the plurality of digital information files.

113. (Previously presented) The computer based library and information delivery system as claimed in Claim 110 wherein the authoring system further including scrambling logic for scrambling the plurality of digital information files.

114. (Previously presented) The computer based library and information delivery system as claimed in Claim 110 wherein the authoring system further including compression logic for compressing the plurality of digital information files, the authoring system further including scrambling logic for scrambling the plurality of digital information files.

115. (Previously presented) The computer based library and information delivery system as claimed in Claim 113 wherein the scrambling logic further including logic for scrambling the plurality of digital information files using information indicative of an object identifier.

116. (Previously presented) The computer based library and information delivery system as claimed in Claim 115 wherein the object identifier is a player ID.

117. (Previously presented) The computer based library and information delivery system as claimed in Claim 115 wherein the object identifier is a group ID.

118. (Previously presented) The computer based library and

information delivery system as claimed in Claim 115 wherein the object identifier is a removable media 1D.

119. (Currently amended) The computer based library and information delivery system as claimed in Claim 110 wherein the download logic further including logic for downloading the plurality of digital information files to a mobile device ~~only~~ if the mobile device corresponds to the particular mobile device for which the plurality of digital information files were targeted.

120. (Previously presented) The computer based library and information delivery system as claimed in Claim 110 wherein the player readers the plurality of digital information files on a mobile device only if the mobile device corresponds to the particular mobile device for which the plurality of digital information files were targeted.

121. (Previously presented) The computer based library and information delivery system as claimed in Claim 110 wherein the wireless connection is an IR connection.

122. (Previously presented) The computer based library and information delivery system as claimed in Claim 110 wherein the wireless connection is a wireless LAN connection.

123. (Previously presented) The computer based library and information delivery system as claimed in Claim 110 wherein the wireless connection is a wireless connection via a public network.

124. (Previously presented) The computer based library and information delivery system as claimed in Claim 110 wherein the

wireless connection is a wireless connection via a telephone network.

125. (Previously presented) The computer based library and information delivery system as claimed in Claim 110 wherein the mobile device further includes an interface for removable storage media.

126. (Previously presented) The computer based library and information delivery system as claimed in Claim 110 wherein the computer system further including a local library for local storage of the plurality of digital information files.

127. (Previously presented) The computer based library and information delivery system as claimed in Claim 126 wherein the computer system further including logic for storing pre-authored digital information files in the local library, the plurality of digital information files having been authored by an external agent.

128. (Previously presented) The computer based library and information delivery system as claimed in Claim 110 wherein the mobile device further including decompression logic for decompressing the plurality of digital information files.

129. (Previously presented) The computer based library and information delivery system as claimed in Claim 110 wherein the mobile device further including descrambling logic for descrambling the plurality of digital information files.

130. (Previously presented) The computer based library and information delivery system as claimed in Claim 110 wherein the mobile device further including programming logic for browsing

various characteristics of content of said digital information files.

131. (Previously presented) The computer based library and information delivery system as claimed in Claim 110 wherein the mobile device further including programming logic for requesting download of the plurality of digital information files.

132. (Currently amended) A computer based library and information delivery system comprising a computer system connectable to a network, the computer system comprising:

targeting logic for generating a targeted header containing information indicative of a player ID corresponding to a particular mobile device ~~player~~ for rendering content; and

download logic for downloading the targeted header with associated content to a the particular mobile device ~~player~~ if said particular mobile device corresponds to said player ID.

133. (Previously presented) The system of claim 132, wherein the player ID correlates to a user of the particular player.

134. (Currently amended) The system of claim 132, wherein the player ID is associated with a particular mobile device.

135. Canceled

136. (Previously presented) The system of claim 135, wherein the mobile device is connectable with the computer system via a wireless connection.

137. (Previously presented) The system of claim 132, wherein the

targeted header further contains a map for the associated content.

138. (Previously presented) The system of claim 137, wherein the content is encrypted and the map comprises at least one key to decrypt the content.

139. (Currently amended) A computer based library and information delivery system comprising:

a computer system connectable to a network, the computer system comprising:

targeting logic for generating a targeted header encoded according to information indicative of a player ID corresponding to a particular mobile device ~~player~~ for rendering content and containing a map for content associated with the targeted header; and

download logic for downloading the targeted header with the content to a the particular mobile device ~~player~~ if said particular mobile device corresponds to said player ID.

140. (Previously presented) The system of claim 139, wherein the player ID correlates to a user of the particular player.

141. (Currently amended) The system of claim 139, wherein the player ID is associated with a particular mobile device.

142. Cancelled

143. (Previously presented) The system of claim 142, wherein the mobile device is connectable with the computer system via a wireless connection.

144 (Previously presented) The system of claim 139, wherein the content is encrypted and the map comprises at least one key to decrypt the content.